Attorney Docket No. P64765US1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Peet KASK   **Via facsimile**
                                                   703-872-9318
Application No. : 09/779,461   Art Unit: 2878

Filed: February 9, 2001   Examiner: Shun K. Lee

For: FLUORESCENSE INTENSITY MULTIPLE DISTRIBUTIONS ANALYSIS: CONCURRENT
      DETERMINATION OF DIFFUSION TIMES AND MOLECULAR BRIGHTNESS

<div align="center">AMENDMENT</div>

FAX RECEIVED

Mail Stop Non-Fee Amendment
Commissioner for Patents   MAY 2 7 2003
P.O. Box 1450
Alexandria, VA 22313-1450   TECHNOLOGY CENTER 2800

Sir:

    Applicant submits by facsimile the instant Amendment in response to the Office Action mailed

February 24, 2003.

<div align="center">IN THE ABSTRACT</div>

    Replace the abstract of record with the abstract attached hereto as a separate page.

<div align="center">IN THE SPECIFICATION</div>

    At page 15, between lines 21 and 22, insert:

BRIEF DESCRIPTION OF THE DRAWINGS

<div align="center">IN THE CLAIMS</div>

Cancel claims 18-37, without prejudice or disclaimer, and add claims as follows.

38. A method for characterizing samples having fluorescent particles, comprising the steps of:

   a)   monitoring intensity fluctuations of fluorescence emitted by the particles in at least
         one measurement volume by detecting sequences of photon counts by at least one
         photon detector,

   b)   determining from the sequences of photon counts intermediate statistical data

         comprising at least two probability functions, $\hat{P}_1(n_1), \hat{P}_2(n_2),...$, of the number of

         photon counts, $n_1, n_2,...$, detected in different sets of counting time intervals,